changing an allocation of said transmission channels at each "allocation period"; and

receiving a transmission authorization over a transmission channel in the down direction for a given allocation period, said transmission authorization indicating that said transmission channel is allocated in the up direction for the following allocation period;

wherein said transmission authorization indicates that said transmission channel, also referred to as the authorization channel, and consecutive transmission channels identifiable from said authorization channel as a function of transmission needs of said network, are allocated in the up direction for the following allocation period, and

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wherein said function of said transmission needs of said network avoids transmission of said transmission authorization during each of said consecutive transmission channels, and a number of said consecutive transmission channels is greater than zero.

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2. (Amended) A method according to claim 1, wherein the function of said transmission needs of said network is such that a window is defined which is formed of adjacent transmission channels and in which the authorization channel is transmitted, said consecutive transmission channels being constituted by those of the transmission channels of the window which lie between the authorization channel and the last time slot in the window (including said last time slot), and which can be allocated to the mobile station for a given call.

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6. (Three times Amended) A mobile station for allocating data transmission channels to a mobile station in half-duplex mode, in a mobile telecommunications network that uses packet mode and has multiple access by multiplexing transmission channels, comprising:

the transmission channels allocated to said mobile station, respectively in a "down" direction from the network to the mobile station, and in an "up" direction from the mobile station to the network, [~~can~~]that change at each "allocation period";

a transmission authorization received over a transmission channel in the down direction for a given allocation period indicating that said transmission channel is allocated in the up direction for the following allocation period,

wherein said transmission authorization indicates that said transmission channel, also referred to as an authorization channel, and consecutive transmission channels identifiable from said authorization channel as a function of transmission needs of said network, are allocated in the up direction for the following allocation period, said mobile station including:

a receiver that receives transmission channels over ~~said~~ down frames and detects transmission authorizations in the received channels;

a transmitter that transmits transmission channels over ~~said~~ up frames; and

a controller that controls the transmitter and the receiver, to enable said method to operate, wherein said function of said transmission needs of said network avoids transmission of a transmission authorization for each of said consecutive transmission channels, and a number of said consecutive transmission channels is greater than zero.

7. (Three times Amended) A fixed station for a telecommunications network, for allocating data transmission channels to a mobile station in half-duplex mode in a mobile telecommunications network that uses packet mode and has multiple access by multiplexing transmission channels, comprising:

a mobile station to which the transmission channels are allocated, respectively in a "down" direction from the network to the mobile station, and in an "up" direction from the mobile station to the network, said transmission channels configured to change at each "allocation period";

a transmission authorization received over a transmission channel in the down direction for a given allocation period indicating that said transmission channel is allocated in the up direction for the following allocation period;

wherein said transmission authorization indicates that said transmission channel, also referred to as the authorization channel, and consecutive transmission channels identifiable from said authorization channel as a function of transmission needs of said network, are allocated in the up direction for the following allocation period, said fixed station including:

a transmitter that transmits data in transmission channels over ~~said~~ down frames, as well as transmission authorizations over some of the transmitted channels;

a receiver that receives transmission channels over ~~said~~ up frames; and

a controller that controls said transmitter and said receiver, so as to enable said method to operate, wherein said function of said transmission needs of said network avoids transmission of a transmission authorization for each of said consecutive transmission channels, and a number of said consecutive transmission channels is greater than zero.

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